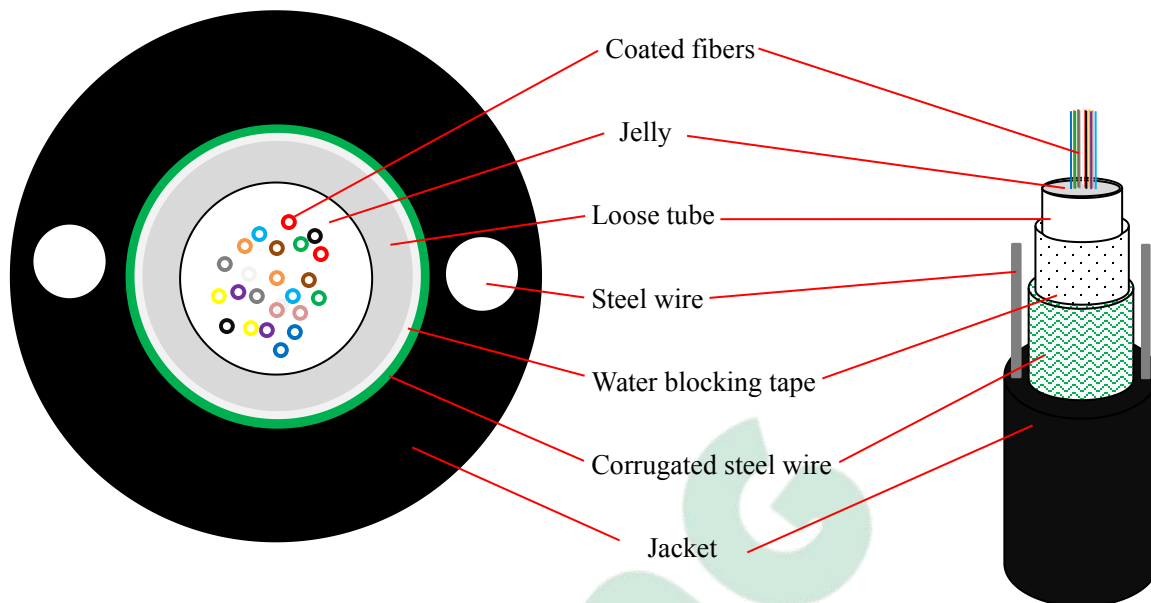


GYXTW Central Loose Tube Fiber Optic Cable

Profile



Optical fiber parameters

No.	Items		Unit	Specification				
				G.652D	OM1	OM2	OM3	OM4
1	Mode Field Diameter / Core Diameter		μm	9.2 $\pm$ 0.4	62.5 $\pm$ 2.5	50 $\pm$ 2.5	50 $\pm$ 2.5	50 $\pm$ 2.5
				10.4 $\pm$ 0.5				
2	Cladding Diameter		μm	125.0 $\pm$ 0.7	124.8 $\pm$ 0.7	124.8 $\pm$ 0.7	124.8 $\pm$ 1.0	124.8 $\pm$ 1.0
3	Cladding Non-Circularity		%	$\leq$ 0.8	$\leq$ 0.7	$\leq$ 0.7	$\leq$ 1.0	$\leq$ 1.0
4	Core-Cladding Concentricity Error		μm	$\leq$ 0.6	$\leq$ 0.5	$\leq$ 0.5	$\leq$ 1.5	$\leq$ 1.5
5	Coating Diameter		μm	247 $\pm$ 5	245 $\pm$ 5	245 $\pm$ 5	245 $\pm$ 7	245 $\pm$ 7
6	Coating Non-Circularity		%	$\leq$ 6.0	$\leq$ 6.0	$\leq$ 6.0	$\leq$ 6.0	$\leq$ 6.0
7	Cladding-Coating Concentricity Error		μm	$<$ 12.0	$\leq$ 12.0	$\leq$ 12.0	$\leq$ 12.0	$\leq$ 12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$	/	/	/	/
9	Attenuation(max.)	1310nm	dB/km	$\leq$ 0.35	/	/	/	/
		1550nm		$\leq$ 0.22	/	/	/	/
10	Attenuation Coefficient	850nm	dB/km	/	$\leq$ 2.5	$\leq$ 2.7	$\leq$ 2.5	$\leq$ 2.5
		1300nm		/	$\leq$ 0.7	$\leq$ 0.6	$\leq$ 0.6	$\leq$ 0.6
11	OFL Bandwidth	850nm	MHz·km	/	/	/	$\geq$ 1500	$\geq$ 3500
		1300nm	MHz·km	/	/	/	$\geq$ 500	$\geq$ 500
12	Effective Modal Bandwidth	850nm	MHz·km	/	/	/	$\geq$ 2000	$\geq$ 4700
		1300nm	MHz·km	/	/	/	$\geq$ 500	$\geq$ 500



Fiber optic cable parameter

Items		Specifications					
Coating optical fiber	Dimension	260±5μm					
	Material	printing ink					
	Color	Blue.	Orange	Green	Brown	Grey	White
		Red	Black	Yellow	Purple	Pink	Aqua
		13#-24# with black ring marks at intervals of 100mm					
Loose tube	Dimension	2.0~2.8±0.1mm					
	Material	PBT Natural					
	Filling materials	Thixotropic jelly					
	Color	Ecru					
Reinforcement materials	Strengthening of the Centre	Steel wire					
	Dimension	1.0mm×2					
Jacket	Material	HDPE Black					
	Dimension	8.0~8.5±0.3mm					
	Water-blocking materials	Water blocking tape					
	Armored	Corrugated steel tape					
	KG/KM	65 ±5%					

Mechanical and Environmental Characteristics

Items	Unite	Specifications	Standard
Tension (Long Term)	N	600	IEC 60794-1-2-E1
Tension (Short Term)	N	1500	
Crush (Long Term)	N/10cm	1000	IEC 60794-1-2-E3
Crush (Short Term)	N/10cm	2200	
Min. Bend Radius (Dynamic)	mm	20D	IEC 60794-1-2-E6
Min. Bend Radius (Static)	mm	10D	
Operating Temperature	℃	-40~+70	IEC 60794-1-2-F1
Storage Temperature	℃	-30~+60	
Installation	℃	-30~+60	

Packing Standard delivery lengths are 1km, 5km, with a tolerance of -1%~+3%

Fiber Count	Cable diameter(mm)	Drum Length (m)	Packing Size L×W ×H(mm)	Weight (Gross) (kg)
2-12	8.0	2000	700×700×700	170
		3000	800×800×700	235
		4000	900×900×700	300
14-24	8.5	2000	800×800×700	180
		3000	900×900×700	255
		4000	1000×1000×700	330